

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An apparatus for detecting, monitoring and reporting [at least one of] human status [physiological and contextual] information, comprising:

at least two sensors selected from the group consisting of physiological sensors and contextual sensors, said [physiological] sensors [adapted to facilitate the generation of] generating data indicative of at least a first parameter and a second parameter [one or more physiological parameters] of an individual[, said contextual sensors adapted to facilitate the generation of data indicative of one or more contextual parameters of said individual];

a processor [coupled to said sensors], said processor [being adapted to generate at least one of (i)] generating derived data based on said data indicative of at least a first parameter and a second parameter, said derived data comprising a third parameter of said individual, said third parameter being an individual status parameter that cannot be directly detected by any of said at least two sensors [from at least one of at least a portion of said data indicative of physiological parameters and at least a portion of said data indicative of contextual parameters and (ii) analytical status data from at least a portion of at least one of said data indicative of physiological parameters, said data indicative of contextual parameters, said derived data and said analytical status data];

a memory for retrievably storing at least one of said data indicative of at least a first parameter and a second parameter [physiological parameters, said data indicative of contextual parameters,] and said derived data [and said analytical status data]; and

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means for transmitting to said individual at least one of said data indicative of at least a first parameter and a second parameter [physiological parameters, said data indicative of contextual parameters,] and said derived data [and said analytical status data].

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2. (Original) An apparatus according to claim 1, further comprising a wireless transceiver for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

3. (Original) An apparatus according to claim 2, said information received by said wireless transceiver comprising at least one of data indicative of a physiological parameter of said individual and data derived therefrom.

4. (Original) An apparatus according to claim 1, further comprising means for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

5. (Original) An apparatus according to claim 1, further comprising a wireless communication component for receiving information from at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

6. (Currently Amended) An apparatus according to claim 1, said means for transmitting further comprising a computing device [coupled to] in electronic communication with said processor.

7. (Original) An apparatus according to claim 6, said computing device being coupled to said processor by a physical connection.

8. (Original) An apparatus according to claim 6, said computing device being coupled to said processor by a wireless connection.

9. (Withdrawn)

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15. (Original) An apparatus according to claim 1, said means for transmitting comprising a visual output device.

16. (Original) An apparatus according to claim 1, said means for transmitting comprising an audible output device.

17. (Original) An apparatus according to claim 1, said means for transmitting comprising a tactile output device.

18. (Withdrawn)

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30. (Withdrawn)

31. (Withdrawn)

32. (Canceled)

33. (Currently Amended) An apparatus for detecting, monitoring and reporting [at least one of] human [physiological and contextual] status information, comprising:
a sensor device including:

at least two sensors selected from the group consisting of physiological sensors and contextual sensors, said [physiological] sensors adapted to facilitate [the generation of] generating data indicative of [one or more physiological parameters] at least a first parameter and a second parameter of an individual[, said contextual sensors adapted to facilitate the generation of data indicative of one or more contextual parameters of said individual]; and

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a memory for retrievably storing [at least one of] said data indicative of at least a first parameter and a second parameter [physiological parameters and said data indicative of contextual parameters]; and

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a computing device [coupled to] in electronic communication with said sensor device, said computing device [being adapted to generate] generating [at least one of (i)] derived data based on said data indicative of at least a first parameter and a second parameter, said derived data comprising a third parameter of said individual, said third parameter being an individual status parameter that cannot be directly detected by any of said at least two sensors [from at least one of at least a portion of said data indicative of physiological parameters and at least a portion of said data indicative of contextual parameters and (ii) analytical status data from at least a portion of at least one of said data indicative of physiological parameters, said data indicative of contextual parameters, said derived data and said analytical status data].

34. (Original) An apparatus according to claim 33, said sensor device further comprising a wireless transceiver for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

35. (Original) An apparatus according to claim 34, said information received by said wireless transceiver comprising at least one of data indicative of a physiological parameter of said individual and data derived therefrom.

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36. (Original) An apparatus according to claim 33, said sensor device further comprising means for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

37. (Original) An apparatus according to claim 33, further comprising a wireless communication component for receiving information from at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

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38. (Currently Amended) An apparatus according to claim 33, said sensor device further comprising means for transmitting to said individual at least one of said data indicative of [physiological parameters,] at least a first parameter and a second parameter and [said data indicative of contextual parameters,] said derived data [and said analytical status data].

39. (Original) An apparatus according to claim 38, said means for transmitting comprising a visual output device.

40. (Original) An apparatus according to claim 38, said means for transmitting comprising an audible output device.

41. (Original) An apparatus according to claim 38, said means for transmitting comprising a tactile output device.

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42. (Currently Amended) An apparatus according to claim 33, said computing device being adapted to output to said individual at least one of said data indicative of [physiological parameters, said data indicative of contextual parameters,] at least a first parameter and a second parameter and said derived data [and said analytical status data].

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43. (Original) An apparatus according to claim 33, said computing device being coupled to said sensor device by a physical connection.

44. (Original) An apparatus according to claim 33, said computing device being coupled to said sensor device by a wireless connection.

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63. (Withdrawn)

64. (Canceled)

65. (Currently Amended) An apparatus for detecting, monitoring and reporting [at least one of] human [physiological and contextual] status information, comprising:

a sensor device including:

at least two sensors selected from the group consisting of physiological sensors and contextual sensors, said [physiological] sensors [adapted to facilitate the generation of] generating data indicative of [one or more physiological parameters] at least a first parameter and a second parameter of an individual[, said contextual sensors adapted to

facilitate the generation of data indicative of one or more contextual parameters of said individual];

a processor [coupled to said sensors], said processor [being adapted to generate] generating derived data [from at least one of at least a portion of] based on said data indicative of at least a first parameter and a second parameter, said derived data comprising a third parameter of said individual, said third parameter being an individual status parameter that cannot be directly detected by any of said at least two sensors [said data indicative of physiological parameters and at least a portion of said data indicative of contextual parameters]; and

a memory for retrievably storing at least one of said data indicative of at least a first parameter and a second parameter [physiological parameters, said data indicative of contextual parameters] and said derived data; and

a computing device [coupled to] in electronic communication with said sensor device, said computing device [being adapted to generate] generating analytical status data from at least a portion of at least one of said data indicative of at least a first parameter and a second parameter [physiological parameters, said data indicative of contextual parameters,] and said derived data [and said analytical status data].

66. (Original) An apparatus according to claim 65, said sensor device further comprising a wireless transceiver for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

67. (Original) An apparatus according to claim 66, said information received by said wireless transceiver comprising at least one of data indicative of a physiological parameter of said individual and data derived therefrom.

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68. (Original) An apparatus according to claim 65, said sensor device further comprising means for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

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69. (Original) An apparatus according to claim 65, further comprising a wireless communication component for receiving information from at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

70. (Currently Amended) An apparatus according to claim 65, said sensor device further comprising means for transmitting to said individual at least one of said data indicative of at least a first parameter and a second parameter, [physiological parameters, said data indicative of contextual parameters,] said derived data and said analytical status data.

71. (Original) An apparatus according to claim 70, said means for transmitting comprising a visual output device.

72. (Original) An apparatus according to claim 70, said means for transmitting comprising an audible output device.

73. (Original) An apparatus according to claim 70, said means for transmitting comprising a tactile output device.

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74. (Currently Amended) An apparatus according to claim 65, said computing device being adapted to output to said individual at least one of said data indicative of [physiological parameters, said data indicative of contextual parameters] at least a first parameter and a second parameter, said derived data and said analytical status data.

75. (Original) An apparatus according to claim 65, said computing device being coupled to said sensor device by a physical connection.

76. (Original) An apparatus according to claim 65, said computing device being coupled to said sensor device by a wireless connection.

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96. (Canceled)

97. (Currently Amended) An apparatus for detecting, monitoring and reporting [at least one of] human [physiological and contextual] status information, comprising:
a sensor device including:

at least two sensors selected from the group consisting of physiological sensors and contextual sensors, said [physiological] sensors [adapted to facilitate the generation of] generating data indicative of at least a first parameter and a second parameter [one or more physiological parameters] of an individual[, said contextual sensors adapted to facilitate the generation of data indicative of one or more contextual parameters of said individual];

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a processor [coupled to said sensors], said processor [being adapted to generate] generating analytical status data from [at least a portion of] at least one of said data indicative of at least a first parameter and a second parameter [physiological parameters, said data indicative of contextual parameters,] and derived data generated using [from at least one of at least a portion of] said data indicative of at least a first parameter and a second parameter, said derived data comprising a third parameter of said individual, said third parameter being an individual status parameter that cannot be directly detected by any of said at least two sensors [physiological parameters and at least a portion of said data indicative of contextual parameters, and said analytical status data]; and

a memory for retrievably storing at least one of said data indicative of at least a first parameter and a second parameter [physiological parameters, said data indicative of contextual parameters] and said derived data; and

a computing device [coupled to] in electronic communication with said sensor device, said computing device [being adapted to generate] generating said derived data.

98. (Original) An apparatus according to claim 97, said sensor device further comprising a wireless transceiver for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

99. (Original) An apparatus according to claim 98, said information received by said wireless transceiver comprising at least one of data indicative of a physiological parameter of said individual and data derived therefrom.

Sub B1 100. (Original) An apparatus according to claim 97, said sensor device further comprising means for receiving information from and transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

101. (Original) An apparatus according to claim 97, further comprising a wireless communication component for receiving information from at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

102. (Currently Amended) An apparatus according to claim 97, said sensor device further comprising means for transmitting to said individual at least one of said data indicative of [physiological parameters, said data indicative of contextual parameters] at least a first parameter and a second parameter, said derived data and said analytical status data.

103. (Original) An apparatus according to claim 102, said means for transmitting comprising a visual output device.

104. (Original) An apparatus according to claim 102, said means for transmitting comprising an audible output device.

105. (Original) An apparatus according to claim 102, said means for transmitting comprising a tactile output device.

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106. (Currently Amended) An apparatus according to claim 97, said computing device being adapted to output to said individual at least one of said data indicative of [physiological parameters, said data indicative of contextual parameters] at least a first parameter and a second parameter, said derived data and said analytical status data.

107. (Original) An apparatus according to claim 97, said computing device being coupled to said sensor device by a physical connection.

108. (Original) An apparatus according to claim 97, said computing device being coupled to said sensor device by a wireless connection.

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- 128. (Canceled)
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137. (Original) An apparatus according to claim 1, further comprising a wireless communication component for transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

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138. (Original) An apparatus according to claim 33, further comprising a wireless communication component for transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

139. (Original) An apparatus according to claim 65, further comprising a wireless communication component for transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

140. (Original) An apparatus according to claim 97, further comprising a wireless communication component for transmitting information to at least one of a wireless device worn by said individual, a wireless device implanted in the body of said individual, and a wireless device located near said individual.

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